What is claimed is:

1 1. A detectable flat panel display, comprising: 2 a substrate including a circuit region and a display 3 region; 4 a circuit device disposed on the circuit region of the substrate; 5 a display device disposed in the display region of 6 the substrate; and 7 8 a metal pattern formed in the circuit region, capable of reflecting light such that the reflected 9 10 light is detectable by recognition equipment. 2. The detectable flat panel display as claimed in 1 2 claim 1, wherein the circuit device is a thin film 3 transistor. 1 3. The detectable flat panel display as claimed in 2 claim 2, wherein the display device is an organic 3 light-emitting diode. 1 4. The detectable flat panel display as claimed in 2 claim 3, comprising: 3 a substrate including a thin film transistor (TFT) 4 region and an organic light-emitting diode 5 (OLED) region; 6 a thin film transistor disposed in the TFT region of 7 the substrate, wherein the thin film transistor 8 has a metal electrode as the metal pattern; a planarizing insulating layer covering the thin 9 10 film transistor, wherein the planarizing

11 insulating layer has a contact window to expose 12 the metal pattern; 13 a transparent anode disposed in the OLED region of 14 the substrate and electrically connected to the 15 metal pattern; 16 a transparent insulating cover layer covering a 17 portion of the anode in a contact window 18 position; 19 an organic light-emitting layer disposed on the anode and the insulating cover layer; and 20 21 a transparent cathode disposed on the organic 22 light-emitting layer. 1 5. The detectable flat panel display as claimed in 2 claim 4, wherein the metal pattern is a source electrode or a drain electrode. 3 1 6. The detectable flat panel display as claimed in 2 claim 4, wherein the metal pattern is a gate. 1 7. The detectable flat panel display as claimed in 2 claim 4, wherein the planarizing insulating layer is a 3 photoresist material or a dielectric material. 1 8. The detectable flat panel display as claimed in 2 claim 7, wherein the planarizing insulating layer is 3 formed by spin coating. 1 9. The detectable flat panel display as claimed in 2 claim 1, wherein any layer above the metal pattern is transparent.

1 10. The detectable flat panel display as claimed in claim 1, wherein the metal pattern is the outermost layer. 2 1 11. A detectable flat panel display, comprising: 2 a substrate including a circuit region and a display 3 region; 4 a circuit device disposed in the circuit region of 5 the substrate; 6 a display device disposed in the display region of 7 the substrate; and 8 a metal pattern formed in the display region, capable 9 of reflecting light such that the reflected 10 light is detectable by recognition equipment. 1 12. The detectable flat panel display as claimed in claim 11, wherein the display device is an organic 2 3 light-emitting diode. 1 13. The detectable flat panel display as claimed in 2 claim 12, wherein the organic light-emitting diode 3 includes: 4 an anode; an organic light-emitting layer disposed on the 5 6 anode: 7 a transparent cathode disposed on the light-emitting 8 layer, 9 wherein at least one of the organic light-emitting 10 layer and the transparent cathode has an 11 opening, and the metal pattern is disposed in 12 the opening.

13 14. The detectable flat panel display as claimed in 14 claim 13, comprising: a substrate including a thin film transistor (TFT) 15 16 region and an organic light-emitting diode 17 (OLED) region; 18 a thin film transistor disposed in the TFT region of 19 the substrate, wherein the thin film transistor 20 has a gate, a source electrode, and a drain 21 electrode; 22 a planarizing insulating layer covering the thin 23 film transistor, wherein the planarizing 24 insulating layer has a contact window to expose 25 the gate, the source electrode, and the drain 26 electrode: 27 an anode disposed in the OLED region of the substrate and electrically connected to the gate, the 28 29 source electrode, and the drain electrode; 30 an insulating cover layer covering a portion of the 31 anode in a contact window position; 32 an organic light-emitting layer disposed on the 33 anode and the insulating cover layer; and 34 a transparent cathode disposed on the organic 35 light-emitting layer. 1 15. The detectable flat panel display as claimed in 2 claim 11, wherein any layer above the metal pattern is 3 transparent. 16. The detectable flat panel display as claimed in 1 2 claim 11, wherein the metal pattern is the outermost 3 layer.

1	17. A detectable organic light-emitting diode
2	display, comprising:
3	a substrate including a thin film transistor (TFT)
4	region and an organic light-emitting diode
5	(OLED) region;
6	a thin film transistor disposed in the TFT region of
7	the substrate, wherein the thin film transistor
8	has a first metal pattern capable of reflecting
9	light such that the reflected light is
10	detectable by recognition equipment;
11	a planarizing insulating layer covering the thin
12	film transistor, wherein the planarizing
13	insulating layer has a contact window to expose
14	the first metal pattern;
15	a transparent anode disposed in the OLED region of
16	the substrate and electrically connected to the
17	first metal pattern;
18	a transparent insulating cover layer covering a
19	portion of the anode in a contact window
20	position;
21	an organic light-emitting layer disposed on the
22	anode and the insulating cover layer; and
23	a transparent cathode disposed on the organic
24	light-emitting layer.
1	18. A detectable organic light-emitting diode
2	display, comprising:
3	a substrate including a thin film transistor (TFT)
4	region and an organic light-emitting diode
5	(OLED) region;

ь	a thin film transistor disposed in the fri region of
7	the substrate;
8	an anode disposed in the OLED region of the
9	substrate;
10	an organic light-emitting diode disposed on the
11	anode; and
12	a transparent cathode disposed on the organic
13	light-emitting layer,
14	wherein at least one of the organic light-emitting
15	layer and the transparent cathode has an
16	opening, and a second metal pattern is disposed
17	in the opening, capable of reflecting light
18	such that the reflected light is detectable by
19	recognition equipment.
1	10 A magazition custom summission
2	19. A recognition system, comprising:
3	a detectable flat panel display; and
4	recognition equipment,
5	wherein the detectable flat panel display includes:
_	a substrate including a circuit region and a
6	display region;
7	a circuit device disposed in the circuit region
8	of the substrate; and
9	a display device disposed in the display region
10	of the substrate,
11	wherein the detectable flat panel display meets at
12	least one of the following requirements:
13	a first metal pattern is disposed in the circuit
14	region, wherein any layer above the first
15	metal pattern is transparent or the first

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16 metal pattern is the outermost layer, such that the first metal pattern is detectable 17 18 by the recognition equipment; or 19 a second metal pattern is disposed in the 20 display region, wherein any layer above 21 the second metal pattern is transparent or 22 the second metal pattern is the outermost 23 layer, such that the second metal pattern 24 detectable is by the recognition 25 equipment.

20. The recognition system as claimed in claim 19, wherein the recognition equipment includes a light source, a receiver, and a signal feedback device, wherein when light from the light source irradiates the flat panel display, the light is reflected by the first and/or second metal pattern, the receiver receives a signal of the reflected light and transmits the signal to the signal feedback device, and the signal feedback device transmits the signal back to the flat panel display.